

## POST WORKSHOP REVIEW OF RECOMMENDATIONS

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The three Panel Chairmen, the Workshop co-chairman, and representatives from FAA met with Mr. Jack Enders on September 15, 1978, in Washington D.C., to review the recommendations of the Workshop and to explore ways of implementing them. Also a level of priority was established for their accomplishment. Suggested responsibility for implementation was mainly given to NASA, although the group felt that the recommendations in the area of ozone meteorology and forecasting could be better accomplished by NOAA.

The following chart lists the recommendations, level of priority for accomplishment, and recommended approaches and responsibility for implementation as established by the review group.

# OZONE SPECIALISTS WORKSHOP

## POST REVIEW OF RECOMMENDATIONS

RECOMMENDATIONS	RECOMMENDED IMPLEMENTATION
1. DETERMINE ATTENUATION OF ATM. OZONE IN CABIN AIR SYSTEMS FOR DC-10, L-1011, DC-8's, B-727, A-300. (A)	A NEW DATA ACQUISITION EFFORT. USE GASP EQUIPMENT, MAINTENANCE FACILITIES, DATA PROCESSING CAPABILITY. *NASA
2. EVALUATE NEW OZONE DESTRUCTION SYSTEMS DURING AIRLINE OPERATIONS. (A)	CONTINUE GASP OZONE DATA ON INSTRUMENTED 747-SP AND OTHER AIRCRAFT. *NASA
3. ASSEMBLE MEASURED OZONE LEVELS WITH HEALTH COMPLAINTS. (A)	USE AVAILABLE GASP DATA FROM 747 - 100 & SP. *FAA
4. NEED NEW AND IMPROVED MATERIALS TO REDUCE WEIGHT, SIZE, AND COST OF OZONE REMOVAL DEVICES. (A)	DEVELOP AND CHARACTERIZE NEW MATERIALS OBTAINED FROM CATALYST MANUFACTURES. *NASA
5. STUDY CATALYST BED LIFE-TIME. (A)	LABORATORY EFFORT, VALIDATION BY INDUSTRY. *NASA
6. STUDY INFLUENCE OF CONTAMINATES ON CATALYST BED EFFICIENCY. (A)	LABORATORY EFFORT. *NASA

# POST REVIEW OF RECOMMENDATIONS (CONT.)

RECOMMENDATIONS	RECOMMENDED IMPLEMENTATION
7. STUDY KINETICS AND MECHANISM BY WHICH OZONE IS DESTROYED ON SELECTED CATALYSTS. (B)	LABORATORY EFFORT. *NASA
8. COLLECTION AND ANALYSIS OF OZONE DATA FROM CRITICAL GEOGRAPHICAL AREAS SUCH AS POLAR FLIGHT ROUTES (C)	AVAILABLE FROM SOME EXISTING DATA. CONTINUE GASP DATA ANALYSIS PROGRAMS. *NASA
9. CORRELATE OZONE CONCENTRATIONS WITH AVAILABLE MET. DATA TO REFINE OZONE FORECAST TECHNIQUES. (C)	NEW ANALYSIS EFFORT. USE NMC & NWS TRANSMITTED DATA WITH GASP OZONE DATA DURING COMING SEASON. * NASA & NOAA
10. FOR MORE ACCURATE AND QUANTITATIVE OZONE FORECASTING METEOROLOGISTS NEED: (C)	ESTABLISH TRAIL PROGRAM WITH AIRLINE MET. OFFICES AND EVALUATE WITH GASP DATA. *NOAA
A. BETTER DEFINITION OF FORECAST TROPOPAUSE HEIGHT AND TYPE.	RESEARCH EFFORT. *NOAA
B. UNDERSTANDING OF RELATIONSHIP BETWEEN HIGH OZONE CONCENTRATIONS AND CORRESPONDING MEASURED MET. VARIABLES	AN ONGOING PROGRAM. *FAA

# POST REVIEW OF RECOMMENDATIONS (CONT.)

RECOMMENDATIONS	RECOMMENDED IMPLEMENTATION
C. NMC HEMISPHERIC MET. DATA AT ALL AVAILABLE LEVELS INCLUDING VERT- ICAL MOTION FIELDS IN STRATOSPHERE.	RESEARCH EFFORT. *NOAA
D. SATELLITE TOTAL OZONE DATA.	AVAILABILITY ON OPERATIONAL BASIS IN NEAR FUTURE IS QUESTIONABLE.
11. DEVELOP AND VERIFY AN OPERATIONAL OZONE FORE- CAST MODEL. (C)	BY GROUP OF SPECIALISTS UNDER DIRECTION OF NOAA
12. DETERMINE DEPENDENCY OF ATM. OZONE ATTENUATION ON CABIN LOAD FACTORS. (C)	USE GASP DATA FROM 747-100 & SP. *NASA

( ) PRIORITY LEVEL

\* SUGGESTED RESPONSIBILITY